Atty. Docket No). MOT-D2286	_		_
FORM PTO Expires 06/30/99 OMB 0651-0027	-1619A			U.S. Department of Commerce Patent and Trademark Office PATENT
	RECORDA	ATION FORM COV	VER SHEET	
TO: The Com	missioner of Patonte and Trademon	PATENTS ONL	<u>_Y</u>	
Submission	missioner of Patents and Trademar Type	Conveyance Typ	<u>eπacned original docum</u> De	ent(s) or copy(ies).
X New		X Assignment	Security Agree	ment
Resubmi Documer	ssion (Non-Recordation) nt ID#	License	Change of Nam	
Correction	on of PTO Error	Merger	Other	
	re Document		U.S. Government e ONLY by U.S. Government A	ugencies)
Reel#	Frame #		partmental File	Secret File
Conveying F	Party(les)	X Mark if additional	names of conveying parties	
Name (line 1)	ZEIDLER, DAVID E.	-		Month Day Year 08192002
Name (fine 2)		<u></u>		
Second Party	SIMONS DODEDTM			Execution Date Month Day Year
Name (line 1)	SIMONS, ROBERT M.			08192002
Name (line 2)				
Receiving P	arty	Ma	rk if additional names of re	ceiving parties attached
Name (line 1)	GENERAL INSTRUMENT	CORPORATION		if document to be recorded is an assignment and the
Name (line 2)			<u> </u>	receiving party is not domiciled in the United
Address (line 1)	404 TOURNAME TO 1			States, an appointment of a domestic
	101 TOURNAMENT DRIV	<u> </u>		representative is attached. (Designation must be a
Address (line 2)				separate document from Assignment.)
Address (line 3)	HORSHAM	PA	1904	4 7
Domestic Re	epresentative Name and Ad	dress Enter fo	r the first Receiving Party o	
Name [
[
Address (line 1)		 ·		
Address (line 2)				
Address (line 3)		 -	<u> </u>	
Address (line 4)				
FOR OFFICE USE ONLY				
Dublin breeden	T. 41			

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

PATENT

700026101

REEL: 013482 FRAME: 0402

including any attachments. # 4 Application Number(s) or Patent Number(s)			
Name GERALD B. HALT, JR. Address (line 1) VOLPE AND KOENIG, P.C. Address (line 2) SUITE 400, ONE PENN CENTER Address (line 3) 1617 JOHN F. KENNEDY BLVD. Address (line 4) PHILADELPHIA, PA 19103 Pages Enter the total number of pages of the attached conveyance document including any attachments. Application Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(e) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(e) Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number pcT PCT PCT PCT PCT Name of Properties Enter the total number of properties involved. # 1 See Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00 Method of Payment: Deposit Account Enclosed Deposit Account Enclosed Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 22-0493 Authorization to charge additional fees: Yes X No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Gerald B. Halt, Jr. Name of Person Signing Signature	Expires 06/30/99	Page 2	Patent and Trademark Office
Address (line 1) VOLPE AND KOENIG, P.C. Address (line 2) SUITE 400, ONE PENN CENTER Address (line 3) 1617 JOHN F. KENNEDY BLVD. Address (line 4) PHILADELPHIA, PA 19103 Pages Enter the total number of pages of the attached conveyance document including any attachments. Application Number(s) or Patent Number(s) Mark if additional numbers attached enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number(s) Patent Number(s) If this document is builty filled together with a next Patent Application, enter the date the patent application was signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number PCT	Correspondent Name and Address	Area Code and Telephone Number	(215) 568-6400
Address (line 2) SUITE 400, ONE PENN CENTER Address (line 2) 1617 JOHN F. KENNEDY BLVD. Address (line 3) 1617 JOHN F. KENNEDY BLVD. Address (line 4) PHILADELPHIA, PA 19103 Pages Enter the total number of pages of the attached conveyance document including any attachments. Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number (PO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number (PO NOT ENTER BOTH numbers for the same property). Patent Number(s) Patent Number (PO NOT ENTER BOTH numbers for the same property). Patent Number (PO NOT ENTER BOTH numbers for the same property). Patent Number (PO NOT ENTER BOTH numbers for the same property). Patent Number (PO NOT ENTER BOTH numbers for the same property. Patent Number (PO NOT ENTER BOTH numbers for the same property. Patent Number (PO NOT ENTER BOTH number attached copy in a function number properties Listed (37 CFR 3.41): \$40.00 Method of Payment: Pet Patent Number properties Listed (37 CFR 3.41): \$40.	Name GERALD B. HALT, JR.		
Address (line 3) 1617 JOHN F. KENNEDY BLVD. Address (line 4) PHILADELPHIA, PA 19103 Pages Enter the total number of pages of the attached conveyance document including any attachments. Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) 10107346 If this document is being filed together with a new Patent Application, enter the date the patent application was Menth Day Year signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number PCT	Address (line 1) VOLPE AND KOENIG, F	P.C.	
Address (line 4) PHILADELPHIA, PA 19103 Pages Enter the total number of pages of the attached conveyance document including any attachments. Application Number(s) or Patent Number(s) Mark if additional numbers attached Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) Patent Number(s) 10107346 Patent Application Number(s) 10107346 Patent Application Number or the Patent Application, enter the date the patent application was Month Day Year signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number PCT PCT PCT PCT PCT PCT Application Number only if a U.S. Application Number PCT	Address (line 2) SUITE 400, ONE PENN	CENTER	
Pages Enter the total number of pages of the attached conveyance document # 4 Application Number(s) or Patent Number(s)	Address (Iline 3) 1617 JOHN F. KENNED	Y BLVD.	
Application Number(s) or Patent Number(s) Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) 10107346 Patent Application Number(s) Patent Application Number(s) Patent Number(s)	Address (line 4) PHILADELPHIA, PA 191	103	
Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property). Patent Application Number(s) 10107346 If this document is being filed together with a new Patent Application, enter the date the patent application was Month Day Year signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number PCT		ges of the attached conveyance document	# 4
Method of Payment: Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: Authorization to charge additional fees: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Gerald B. Halt, Jr. O3/14/2003 Name of Person Signing Signature Date	Patent Application Number or the Patent Application Number (s) 10107346 If this document is being filed together with a new Paten signed by the first named executing inventor. Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned. Number of Properties	PCT PCT PCT PCT	mber(s) mber(s) mber Day Year PCT PCT
Method of Payment: Deposit Account (Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 22-0493 Authorization to charge additional fees: Yes X No Statement and Signature To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Gerald B. Halt, Jr. O3/14/2003 Name of Person Signing Signature Date	Fee Amount Fee Amount fo	or Properties Listed (37 CFR 3.41): \$	40.00
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Gerald B. Halt, Jr. Name of Person Signing Signature Date	Method of Payment: Enclos Deposit Account (Enter for payment by deposit account or if addition	onal fees can be charged to the account.) Deposit Account Number: #	22-0493
attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein. Gerald B. Halt, Jr. Name of Person Signing Signature Date	Statement and Signature		
Name of Person Signing Signature Date	attached copy is a true copy of the ori	ef, the foregoing information is true and o iginal document. Charges to deposit acco	correct and any ount are authorized, as
7 7 07			03/14/2003
		Signature	Date

PATENT REEL: 013482 FRAME: 0403

FORM PTO- Expires 06/30/99 OMB 0851-0027		J.S. Department of Commerce atent and Trademark Office PATENT
Conveying P	arty(ies) Mark if additional names of conveying parties attached	
Enter additional (Conveying Parties	Execution Date Month Day Year
Name (line 1)	PETRY, JOSEPH A.	08192002
Name (line 2)		Execution Data
Name (line 1)		Month Day Year
Name (line 2)		
Name (line 1)		Execution Date Month Day Year
Name (line 2)		
Receiving Pa	rty(ies) Mark if additional names of receiving partic	es attached
Name (line 1)		If document to be recorded
Name (line 2)		is an assignment and the receiving party is not domiciled in the United
Address (line 1)		States, an appointment of a domestic representative is attached. (Designation must be a separate
Address (line 2)		document from Assignment.)
Address (line 3)	City State/Country Zip Cod	6
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United
Address (line 1)		States, an appointment of a domestic representative is attached. (Designation must
Address (line 2)		be a separate document from Assignment.)
Address (line 3)		
	Umber(s) or Patent Number(s) Mark if additional numbers attached Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the sai	
	ent Application Number(s) Patent Number	= :
<u> </u>		

PATENT REEL: 013482 FRAME: 0404

Atty. Docket No. MOT-D2286

ASSIGNMENT

David E. Zeidler, residing at 642 Griffiths Road, Warrington, PA 18976, a citizen of the United States of America; and Robert M. Simons, residing at 1009 Springside Way, Lansdale, PA 19446, a citizen of the United States of America; and Joseph A. Petry, residing at 336 Manton Street, Philadelphia, PA 19147, a citizen of the United States of America, (hereafter jointly and severally referred to as the undersigned), are the inventors of

GRAPHICS SUBSYSTEM BYPASS METHOD AND APPARATUS for which the undersigned have executed an application for United States Letters Patent, U.S. Patent Application No. <u>10/107,346</u>, filed March 26, 2002.

The undersigned hereby authorize assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

General Instrument Corporation, a Delaware corporation, having its principal place of business at 101 Tournament Drive, Horsham PA 19044, (hereafter referred to as the assignee), is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest in said invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues thereof, throughout the world, including the right to claim priority under the Paris Convention.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

Member, Pennsylvania Association Of Notaries

EXECUTED under seal on this 19 day of August	2002
Witness:	
Jane J. David E. Zeidler (L.S.) David E. Zeidler	
State of Pennsylvania ss.	
County of Montgomer y	
On this, day of	the
Witness my hand and Notarial seal the day and year immediately above written.	
Notary Public	
My Commission Expires:	
Notarial Seal Carol J. Smith, Notary Public Horsham Twp., Montgomery County My Commission Expires June 22, 2006	

-2 of 4-

PATENT REEL: 013482 FRAME: 0406

EXECUTED under seal on this 12 day of August, 2002
ar Horsham PA
Witness:
(LS.) Robert M. Simons Robert M. Simons
State of Sersylvania
County of Montgomery ss.
On this 19 day of
Witness my hand and Notarial seal the day and year immediately above written.
Notary Public My Commission Expires:
Notarial Seal Carol J. Smith, Notary Public Horsham Twp., Montgomery County My Commission Expires June 22, 2006

-3 of 4-

Member, Pennsylvania Association Of Notaries

EXECUTED under seal on this 19 day of August	2002
at Horsham PA.	2002
Witness:	
(I.S.) Joseph A. Petry	
State of Canada II and	
State of <u>Pennsylvanua</u> Ss. County of <u>Mondgomery</u>	
On this 19 day of Quest , 2002 before me personally appear	red
receipt A. Tetry, to me known to be the person described herein and who executed the	tha
foregoing instrument, and acknowledged that he executed the same knowingly and willing	gly
and for the purposes therein contained.	
Witness my hand and Notarial seal the day and year immediately above written.	
Notary Public	
My Commission Expires:	
Notarial Seal Carol J. Smith, Notary Public Horsham Twp., Montgomery County My Commission Expires June 22, 2006	

-4 of 4-

PATENT **REEL: 013482 FRAME: 0408**

Member, Pennsylvania Association Of Notaries